



September 21, 2015

AGRICULTURAL WASTE MANAGEMENT FIELD HANDBOOK (NEH PART 651)
210 - ENGINEERING
NOTICE WI-44

SUBJECT: ENG – National Engineering Handbook (NEH), Part 651, Agricultural Waste Management Field Handbook (AWMFH).

Purpose: Revisions to Space Requirements for Animal Lots.

Explanation of Changes: Space requirements for animal lots were issued previously by WI AWMFH Notice 35. The table did not specify that feeder space was in inches. This notice adds that label.

Filing Instructions (AWMFH):

Remove:

Directive Tabulation Sheet dated February 2015

Page: WI-10-1 dated January 2014

Insert:

Directive Tabulation Sheet dated September 2015

Page: WI-10-1 dated September 2015

Wisconsin supplements and transmittal notices for the AWMFH can be found on the Wisconsin NRCS web site at <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/wi/technical/engineering/>.

JIMMY BRAMBLETT
State Conservationist

Attachments

DIRECTIVE TABULATION SHEET

Title No. 210

**Directive Name/Type: Agricultural Waste Management Field Handbook
Wisconsin**

Directive Number	Issue Date	Part, Subpart, Pages, etc., or Bulletin Subject
WI-1	9/8/1992	Issues interim instructions for filing previous AWMFM WI supplements.
WI-2	11/3/1992	Instructions for filing AWMFM supplements.
WI-3	3/18/1994	Superseded by WI-14.
WI-4	10/11/1994	Canceled by National Revision.
WI-5	2/1995	Superseded by WI-18.
WI-6	2/1995	Superseded by WI-35.
WI-7	2/1995	Superseded by WI-20.
WI-8	2/1995	Superseded by WI-20.
WI-9	2/1995	Canceled by WI-25.
WI-10	2/1995	Superseded by WI-20.
WI-11	2/1995	Superseded by WI-35.
WI-12	2/23/1995	Change Notices 5-11, correct Notice 3.
WI-13	4/20/1995	Chapter 1 DATCP-DFS Regional Offices map.
WI-14	2/12/1999	Chapter 13, Manure Storage Safety, ASAE Publication.
WI-15	3/1/1999	Superseded by WI-18.
WI-16	3/16/1999	Chapter 13 Documents Reissued due to copy problems.
WI-17	4/15/1999	Chapter 16 USGS Fact Sheet on Barnyards.
WI-18	10/06/1999	Superseded by WI-25.
WI-19	1/13/2000	Superseded by WI-35.
WI-20	12/11/2001	Chapter 9 Supplements.
WI-21	1/23/2002	Chapter 9, WI-9-9 Corrections.
WI-22	2/14/2002	Superseded by WI-25.
WI-23	5/12/2003	Superseded by WI-25.
WI-24	4/14/2004	Superseded by WI-25.
WI-25	1/26/2005	Superseded by WI-43.
WI-26	10/3/2005	Superseded by WI-29
WI-27	12/1/2005	Superseded by WI-43.
WI-28	11/20/2007	Superseded by WI-29
WI-29	8/1/2008	Chapter 10, Revised Companion Documents 635-1 through 4 (Companion Documents 635-1 through 3 Superseded by WI-30). Companion Document 629-1. (Superseded by WI-34).
WI-30	11/26/2008	Chapter 10, Revised Companion Documents 635-1 through 3.
WI-31	4/16/2009	Superseded by WI-43.
WI-32	5/14/2009	Chapter 10, Remove Companion Document 635-4.

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WI-33	11/2/2012	Chapter 10, Companion Document 634.
WI-34	11/6/2012	Chapter 10, Companion Document 629-1.
WI-35	1/14/2014	Superseded by WI-44
WI-36	2/6/2014	Chapter 10, Insert pages, 10-WI-3 and 4, Huffcutt Channels
WI-37	2/10/2014	Superseded by WI-40
WI-38	2/21/2014	Chapter 10, Insert pages 10-WI-7 and 8, FSRC Tanks, Inc.
WI-39	2/26/2014	Superseded by WI-41
WI-40	3/24/2014	Chapter 10, Insert pages 10-WI-5 and 6, CST Tank (formerly AO Smith Harvestore)
WI-41	10/3/2014	Chapter 10, Insert revised pages 10-WI-9 and 10, Pipping Concrete.
WI-42	2/13/2015	Chapter 10, Insert pages 10-WI-11 and 12, Dalmaray Precast Concrete Products.
WI-43	2/25/2015	Chapter 10, All Standard 313 Companion Documents revised.
WI-44	9/21/2015	Chapter 10, Corrected animal lot space guidelines.

ESTIMATING ANIMAL LOT SPACE REQUIREMENTS

Animal lot size requirements are dependent on several factors such as:

- the animal type,
- weight, and age;
- the type of lot surface,
- space needed for feeding,
- the desired management of the animals

The following table may be used to estimate space needs.

Space Requirement Planning

	Feeder cattle		Bred Helpers 800 lb.	Cows 1,000 lb.	Cows 1,300 lb.
	Calves 400-800 lb.	Finishing 800-1,200 lb.			
Lot space	<i>Square feet per animal</i>				
Unpaved lot with mound (includes mound space)	150-300	250-500	250-500	300-500	300-500
Mound space	20-25	30-35	30-35	40-45	40-45
Unpaved lot without mound	300-600	400-800	400-800	500-800	400-800
Paved lot	40-50	50-60	50-60	60-75	75-100
Shelter space	<i>Square feet per animal</i>				
Shelter with lot	15-20	20-25	20-25	20-25	25-30
Shelter without lot	20-25	30-35	30-35	35-40	40-50
Feeder space	<i>Inches of width per animal</i>				
Once-a-day feeding	18-22	22-26	22-26	24-30	26-30
Twice-a-day feeding	9-11	11-13	11-13	12-15	12-15

Reference: Midwest Plan Service 11th Edition